

MES COLLEGE OF ENGINEERING, KUTTIPPURAM  
DEPARTMENT OF COMPUTER APPLICATIONS  
20MCA245 – MINI PROJECT

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**PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT**

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(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Mini Project Proposal No : \_\_\_\_\_  
(Filled by the Department)

Academic Year : 2020-2022  
Year of Admission : 2020

1. Title of the Project : MEDICAL LAB REPORT GENERATOR
2. Name of the Guide : \_\_\_\_\_
3. Number of the Student: MES20MCA-2034
4. Student Details (in BLOCK LETTERS)

Name

Roll Number

Signature

1. MUHAMMED MUNEEES .M

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Date: 07/12/2021

**Approval Status :** Approved / Not Approved\_\_\_

Signature of  
Committee Members

**Comments of The Mini Project Guide**

Dated Signature

Initial Submission :

First Review :

Second Review :

**Comments of The Project Coordinator**

Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

# MEDICAL LAB REPORT GENERATOR

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MUHAMMED MUNEEES.M

## INTRODUCTION

The project is to create a web application that stores the data from different medical analysers . The data produced differs from one device to another. This application generates reports according to data fed. All the user(patient) information, details of the test like RBC, WBC, platelets counts and others. These data are easily fed into the system for further manipulation. It also enables the admin to add, delete and update the medical data which is acquired from the analysers The analysers and the data stored are as follows :

Haematology :RBC WBC platelet count ,ESR ,PCV,HB,PCHC,MCV

Kidney function test : urea ,creatinine ,uric acid

Liver function test :ALT,AST,ALP, Bilirubin

## OBJECTIVES

This project is to develop a website that can manage the complicated data handling involved in and about the medical lab. Provision for adding, deleting, and updating the data will be given.

## TOOLS/PLATFORM, HARDWARE AND SOFTWARE REQUIREMENTS

The selection of hardware is very important in the existence and proper working of any software. Also, the size and capacity requirements are also important.

### Hardware Requirements

- Processor: Pentium IV or above
- Primary Memory: 1GB Ram
- Storage: 500 GB Hard Disk
- Display: 9” monitor or above
- Keyboard: Standard Qwerty Keyboard
- Mouse: Standard Mouse

### Software Requirements:

- Editor: VS Code
- Programming Language: Node.js

## PROBLEM DEFINITION

In ERP software model, the data is accessible only from the specific system. Meanwhile this website makes it possible to access from anywhere round the globe.

## **BASIC FUNCTIONALITIES OF THE PROJECT**

The main functionalities of the project “Medical Lab Report Generator” is that it enables the admin to add, delete and update the medical data which is acquired from the analyzers. This also generates the report according the data stored.